VARIABLE GAM AMPLIFIER INPUT TERMINAL OF POWER AMPLIFIER Vref• POWER AMPLIFIER •¢c 20 DUPLEXER , 30 COMMUNICATION BAND SWITCH -50

FIG. 1
RELATED ART

FIG. 2 RELATED ART

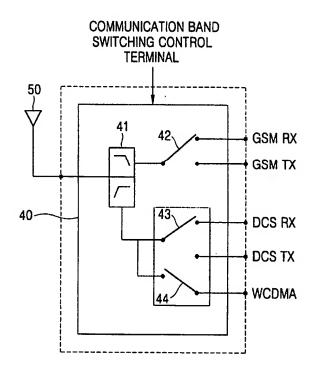


FIG. 3

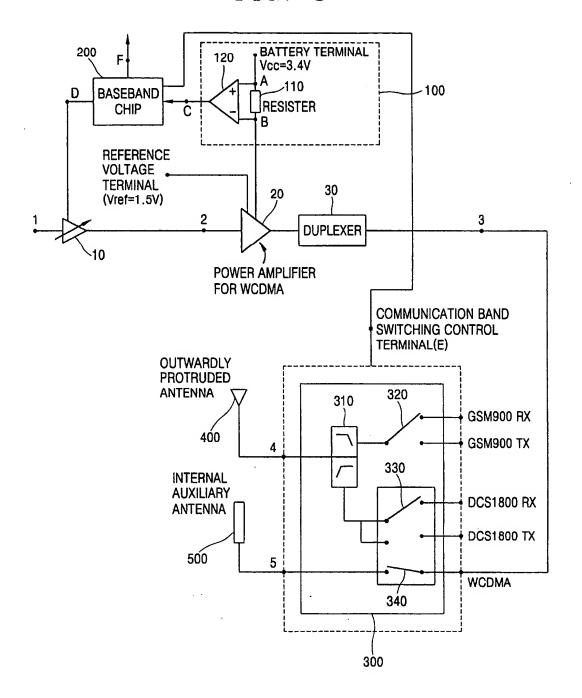


FIG. 4

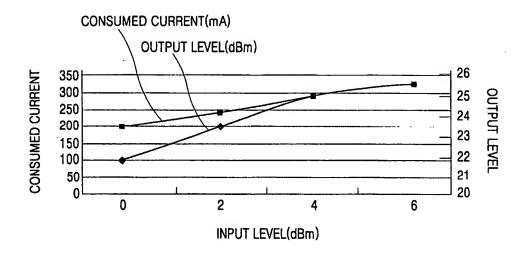


FIG. 5

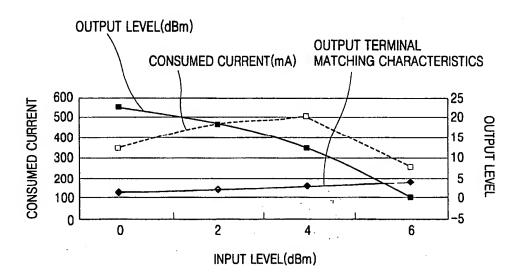


FIG. 6

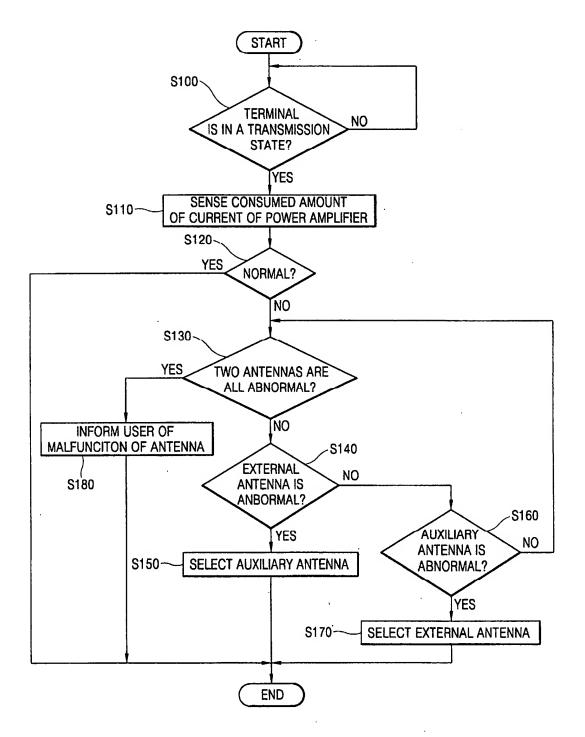


FIG. 7

INPUT LEVEL	OUTPUT LEVEL(dBm)	CONSUMED CURRENT(mA)	VOLTAGE OF TERMINAL B	VOLTAGE OF TERMINAL A	VOLTAGE OF TERMINAL C
0	21.9	201	3.38995	3.4	0.201
2	23.65	244	3.3878	3.4	0.244
4	24.98	289	3.38555	3.4	0.289
6	25.68	327	3.38365	3.4	0.327

FIG. 8

0.275	3.4	3.38625	275	-0.9	4	6
0.511	3.4	3.37445	511	12.1	3	4
0.477	3.4	3.37615	477	18.6	2	2
0.337	3.4	3.38315	337	21.9	\$	0
VOLTAGE OF TERMINAL C	VOLTAGE OF TERMINAL A	VOLTAGE OF TERMINAL B	CONSUMED VOLTAGE OF VOLTAGE OF CURRENT(mA) TERMINAL B TERMINAL A TERMINAL C	OUTPUT LEVEL(dBm)	INPUT OUTPUT TERMINAL OUTPUT CONSUMED VOLTAGE OF VOLTAGE OF VOLTAGE OF LEVEL MATCHING CHARACTERISTICS LEVEL(dBm) CURRENT(mA) TERMINAL B TERMINAL A TERMINAL C	LEVEL

FIG. 9

TERMINAL E	COMMUNICATION BAND SWITCH	TRANSMISSION PATH OF SIGNAL	VOLTAGE STATE OF TERMINAL C
1	ON	TERMINAL 3—— TERMINAL 5	IF THE VOLTAGE OF TERMINAL C IS DIFFERENT FROM THE NORMAL STATE
0	OFF	TERMINAL 3—— TERMINAL 4	IF VOLTAGE OF TERMINAL C IS SAME AS THE NORMAL STATE